

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Providing cement concrete road, construction of culverts and RCC drains and providing missing covering slabs in Kateramma layout and surrounding areas in Ward No.10

PRE MEASUREMENT SHEET

FIRST and FINAL BILL

Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
Item No. 01		Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications							
Measurements taken on		3/01/2020							
		For New Drain							
		Seetamma layout near Raghavendra temple							
0	15		Cum	1	15.00	1.20	1.15	20.70	
15	30		Cum	1	15.00	1.20	1.15	20.70	
30	45		Cum	1	15.00	1.20	1.15	20.70	
45	60		Cum	1	15.00	1.20	1.15	20.70	
60	65.5		Cum	1	5.50	1.20	1.15	7.59	
		Seetamma layout near Raghavendra temple							
0	15		Cum	1	15.00	1.20	1.05	18.90	
15	30		Cum	1	15.00	1.20	1.05	18.90	
30	45		Cum	1	15.00	1.20	1.05	18.90	
45	60		Cum	1	15.00	1.20	1.05	18.90	
60	75		Cum	1	15.00	1.20	1.05	18.90	
75	83		Cum	1	8.00	1.20	1.05	10.08	
		For Culvert Rcc							
			Cum	1	6.00	2.00	0.90	10.80	
		For SSm Culvert							
		1st Cross							
			Cum	1	5.00	2.00	0.90	9.00	
		2nd Cross							
			Cum	1	5.00	2.00	0.90	9.00	
		3rd Cross							
			Cum	1	5.00	2.00	0.90	9.00	
		Drain Desilt							
		Kateramma temple Main Road							
		Lhs							
0	15		Cum	1	15.00	0.50	0.60	4.50	
15	30		Cum	1	15.00	0.50	0.60	4.50	
30	45		Cum	1	15.00	0.50	0.60	4.50	
45	60		Cum	1	15.00	0.50	0.60	4.50	
60	75		Cum	1	15.00	0.50	0.60	4.50	
75	90		Cum	1	15.00	0.50	0.60	4.50	
90	105		Cum	1	15.00	0.50	0.60	4.50	
105	120		Cum	1	15.00	0.50	0.60	4.50	

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PRE MEASUREMENT SHEET

FIRST and FINAL BILL

Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
120	135		Cum	1	15.00	0.50	0.60	4.50	
135	150		Cum	1	15.00	0.50	0.60	4.50	
150	165		Cum	1	15.00	0.50	0.60	4.50	
165	180		Cum	1	15.00	0.50	0.60	4.50	
180	195		Cum	1	15.00	0.50	0.60	4.50	
195	210		Cum	1	15.00	0.50	0.60	4.50	
210	226		Cum	1	16.00	0.50	0.60	4.80	
		Rhs							
0	15		Cum	1	15.00	0.50	0.60	4.50	
15	30		Cum	1	15.00	0.50	0.60	4.50	
30	45		Cum	1	15.00	0.50	0.60	4.50	
45	60		Cum	1	15.00	0.50	0.60	4.50	
60	75		Cum	1	15.00	0.50	0.60	4.50	
75	90		Cum	1	15.00	0.50	0.60	4.50	
90	105		Cum	1	15.00	0.50	0.60	4.50	
105	120		Cum	1	15.00	0.50	0.60	4.50	
120	135		Cum	1	15.00	0.50	0.60	4.50	
135	150		Cum	1	15.00	0.50	0.60	4.50	
150	165		Cum	1	15.00	0.50	0.60	4.50	
165	180		Cum	1	15.00	0.50	0.60	4.50	
180	195		Cum	1	15.00	0.50	0.60	4.50	
195	210		Cum	1	15.00	0.50	0.60	4.50	
210	226		Cum	1	16.00	0.50	0.60	4.80	
		Near Gitanaajali jewels Main Raod							
		Lhs							
0	15		Cum	1	15.00	0.50	0.60	4.50	
15	30		Cum	1	15.00	0.50	0.60	4.50	
30	45		Cum	1	15.00	0.50	0.60	4.50	
45	60		Cum	1	15.00	0.50	0.60	4.50	
60	75		Cum	1	15.00	0.50	0.60	4.50	
75	90		Cum	1	15.00	0.50	0.60	4.50	
90	109		Cum	1	19.00	0.50	0.60	5.70	
		Rhs							
0	15		Cum	1	15.00	0.50	0.60	4.50	
15	30		Cum	1	15.00	0.50	0.60	4.50	
30	45		Cum	1	15.00	0.50	0.60	4.50	
45	60		Cum	1	15.00	0.50	0.60	4.50	
60	75		Cum	1	15.00	0.50	0.60	4.50	
75	90		Cum	1	15.00	0.50	0.60	4.50	
90	109		Cum	1	19.00	0.50	0.60	5.70	
		Kateramma Temple Back Side Road							
0	15		Cum	1	15.00	0.50	0.60	4.50	
15	30		Cum	1	15.00	0.50	0.60	4.50	

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FIRST and FINAL BILL

Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
30	45		Cum	1	15.00	0.50	0.60	4.50	
45	60		Cum	1	15.00	0.50	0.60	4.50	
60	75		Cum	1	15.00	0.50	0.60	4.50	
75	90		Cum	1	15.00	0.50	0.60	4.50	
90	105		Cum	1	15.00	0.50	0.60	4.50	
105	120		Cum	1	15.00	0.50	0.60	4.50	
120	135		Cum	1	15.00	0.50	0.60	4.50	
135	150		Cum	1	15.00	0.50	0.60	4.50	
150	165		Cum	1	15.00	0.50	0.60	4.50	
165	170.9		Cum	1	5.90	0.50	0.60	1.77	
		Raghavendra Temple Opposite							
		Lhs							
0	15		Cum	1	15.00	0.80	0.75	9.00	
15	30		Cum	1	15.00	0.80	0.75	9.00	
30	45		Cum	1	15.00	0.80	0.75	9.00	
45	54.3		Cum	1	9.30	0.80	0.75	5.58	
		Rhs							
0	15		Cum	1	15.00	0.80	0.75	9.00	
15	30		Cum	1	15.00	0.80	0.75	9.00	
30	45		Cum	1	15.00	0.80	0.75	9.00	
45	54.3		Cum	1	9.30	0.80	0.75	5.58	
		Muneshwara Layout Vemmanna Layout							
		Lhs							
0	15		Cum	1	15.00	0.45	0.50	3.38	
15	30		Cum	1	15.00	0.45	0.50	3.38	
30	45		Cum	1	15.00	0.45	0.50	3.38	
45	60		Cum	1	15.00	0.45	0.50	3.38	
60	67.9		Cum	1	7.90	0.45	0.50	1.78	
		Rhs							
0	15		Cum	1	15.00	0.45	0.50	3.38	
15	30		Cum	1	15.00	0.45	0.50	3.38	
30	45		Cum	1	15.00	0.45	0.50	3.38	
45	60		Cum	1	15.00	0.45	0.50	3.38	
60	67.9		Cum	1	7.90	0.45	0.50	1.78	
		Muneshwara Layout							
		6th Cross							
0	15		Cum	1	15.00	0.45	0.50	3.38	
15	30		Cum	1	15.00	0.45	0.50	3.38	
30	45		Cum	1	15.00	0.45	0.50	3.38	
45	60		Cum	1	15.00	0.45	0.50	3.38	
60	73.2		Cum	1	13.20	0.45	0.50	2.97	

2005-05
Assistant Executive Engineer,
R.R. Nagar, Sub-Division,
KRIDL, BBMP, Bangalore
Contractor



Assistant Engineer

Assistant Executive Engineer

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PRE MEASUREMENT SHEET**FIRST and FINAL BILL**

Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
		Over Burden							
			Cum	1	60.00	1.30	0.40	31.20	
			Cum	2	45.00	1.00	0.20	18.00	
Total								646.43	

[Signature]
 Assistant Executive Engineer,
 R.R. Nagar, Sub-Division,
 KRIDL, BBMP, Bangalore

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 Assistant Executive Engineer,
 Adyaranyapura Sub Division,
 BBMP, Bangalore - 97



Contractor

[Signature]
 Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

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PRE MEASUREMENT SHEET

FIRST and FINAL BILL

FIRST and FINAL BILL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
Item No. 03		Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM curing complete as per specifications.							
Measurements taken on		8/02/2020							
		For New Drain							
		Seetamma layout near Raghavendra temple							
0	15		Cum	1	15.00	1.20	0.15	2.70	
15	30		Cum	1	15.00	1.20	0.15	2.70	
30	45		Cum	1	15.00	1.20	0.15	2.70	
45	60		Cum	1	15.00	1.20	0.15	2.70	
60	65.5		Cum	1	5.50	1.20	0.15	0.99	
		Seetamma layout near Raghavendra temple							
0	15		Cum	1	15.00	1.20	0.15	2.70	
15	30		Cum	1	15.00	1.20	0.15	2.70	
30	45		Cum	1	15.00	1.20	0.15	2.70	
45	60		Cum	1	15.00	1.20	0.15	2.70	
60	75		Cum	1	15.00	1.20	0.15	2.70	
75	83		Cum	1	8.00	1.20	0.15	1.44	
		Culvert							
		Kateramma layout Rcc							
			Cum	1	6.00	2.00	0.15	1.80	
		For SSm Culvert							
		1st Cross							
			Cum	1	5.00	2.00	0.15	1.50	
		2nd Cross							
			Cum	1	5.00	2.00	0.15	1.50	
		3rd Cross							
			Cum	1	5.00	2.00	0.15	1.50	
Total								33.03	

Assistant Executive Engineer,
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PRE MEASUREMENT SHEET**FIRST and FINAL BILL**

Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
Item No. 04		Providing and constructing granite / trap / basalt Size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. and as per the directions of the Engineer-in-charge of the work							
Measurements taken on		28/01/2020							
		For SSm Culvert							

Assistant Executive Engineer
Kateramma Sub Division
BBMP, Bangalore - 97

Assistant Executive Engineer,
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KRIDL, BBMP, Bangalore

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PRE MEASUREMENT SHEET

FIRST and FINAL BILL

Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
Item No. 05		Providing FLush pointing to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. and as per the directions of the Engineer-in-charge of the work							
Measurements taken on		30/01/2020							
		For SSm Culvert							
		1st Cross							100% mech Supt
			Sqm	2	5.00		0.60	6.00	
		2nd Cross							
			Sqm	2	5.00		0.60	6.00	
		3rd Cross							
			Sqm	2	5.00		0.60	6.00	
Total								18.00	

Assistant Executive Engineer
Kidyaranyapura Sub Division
BBMP, Bangalore - 97

Assistant Executive Engineer,
R.R. Nagar, Sub-Division,
KRIDL, BBMP, Bangalore
Contractor



Assistant Engineer

Assistant Executive Engineer

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FIRST and FINAL BILL

Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
Item No. 07		Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.							
Measurements taken on		10/02/2020							
		From Calculation Sheet						4.95	
Total								4.95	

250225
Assistant Executive Engineer,
R.R. Nagar, Sub-Division,
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Contractor



Assistant Engineer

Assistant Executive Engineer
Vidvaranya
Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

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PRE MEASUREMENT SHEET**FIRST and FINAL BILL****STEEL CALCULATION**

SI NO	Description	Nos	BAR DIA mm	No. Bars	Total No. bars	Length m	Total Length m	Weight kg/m	Total weight Kg's
Item No. 07	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications								
Measurements Taken On;		10/02/2020							
	For RCC Drain								
	Seetamma layout near Raghavendra temple								
	Main Bars (#16@140 c/c)	1	12	469	469	3.00	1406.57	0.887814084	1248.77
	Distribution(20-#8)	1	8	20	20	65.50	1310.00	0.394584037	516.91
	Seetamma layout near Raghavendra temple								
	Main Bars (#16@140 c/c)	1	12	594	594	3.00	1781.57	0.887814084	1581.70
	Distribution(20-#8)	1	8	20	20	83.00	1660.00	0.394584037	655.01
	Culvert								
	Glass factory backside Raod								
	side wall								
	Main Bars outer face (#16@150 c/c)	2	16	41	82	3.70	303.40	1.57833615	478.87
	Main Bars inner face (#16@150 c/c)	2	16	41	82	3.30	270.60	1.57833615	427.10
	Distribution								
	side walls(9#10)	4	10	9	36	0.95	34.20	0.61653756	21.09
	bottom slab(9-#10)	2	10	9	18	1.80	32.40	0.61653756	19.98
TOTAL QTY IN KG'S									4949.42
TOTAL QTY IN TONNE									4.95

Assistant Executive Engineer,
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KRIDL, BBMP, Bangalore



Assistant Engineer

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Miyeranyapura Sub Division
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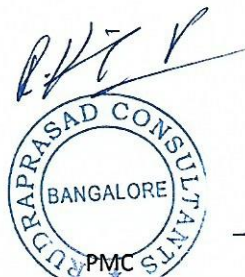
PRE MEASUREMENT SHEET

FIRST and FINAL BILL

Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
Item No. 10		Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by mechanical means attached with scarifier without disturbing the base and stacking the debris including cost of all labour charges, HOM complete as per specifications.							
Measurements taken on		14/02/2020							
		Kateramma layout							
		Main Road							
0	15		Sqm	1	15.00	5.20		78.00	
15	30		Sqm	1	15.00	5.20		78.00	
30	45		Sqm	1	15.00	5.10		76.50	
45	60		Sqm	1	15.00	5.20		78.00	
60	75		Sqm	1	15.00	5.30		79.50	
75	85		Sqm	1	10.00	5.20		52.00	
Total								442.00	

Assistant Executive Engineer
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KRIDL, BBMP, Bangalore
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FIRST and FINAL BILL

Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
Item No. 11		Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications							
Measurements taken on		14/02/2020							
		Road							
		Kateramma layout							
		Main Road(UGD CUT)							
0	15		Cum	1	15.00	1.35	0.60	12.15	
15	30		Cum	1	15.00	1.35	0.60	12.15	
30	45		Cum	1	15.00	1.35	0.60	12.15	
45	60		Cum	1	15.00	1.35	0.60	12.15	
60	75		Cum	1	15.00	1.35	0.60	12.15	
75	90		Cum	1	15.00	1.35	0.60	12.15	
90	110		Cum	1	20.00	1.35	0.60	16.20	
		Main Road							
0	15		Cum	1	15.00	1.20	0.23	4.14	
15	30		Cum	1	15.00	1.10	0.23	3.80	
30	45		Cum	1	15.00	1.00	0.23	3.45	
45	60		Cum	1	15.00	1.00	0.23	3.45	
60	75		Cum	1	15.00	1.30	0.23	4.49	
75	90		Cum	1	15.00	1.20	0.23	4.14	
90	109		Cum	1	19.00	1.00	0.23	4.37	
		Near Gitanajali jewels Main Raod							
3	23		Cum	1	20.00	0.90	0.23	4.14	
29	42		Cum	1	13.00	1.10	0.23	3.29	
47	65		Cum	1	18.00	1.00	0.23	4.14	
		Kateramma Temple Back Side Road							
0	20		Cum	1	20.00	0.60	0.23	2.76	
26	36		Cum	1	10.00	1.10	0.23	2.53	
39	47		Cum	1	8.00	1.50	0.23	2.76	
53	67		Cum	1	14.00	1.30	0.23	4.19	
71	95		Cum	1	24.00	0.80	0.23	4.42	
98	117		Cum	1	19.00	5.45	0.23	23.82	

Assistant Executive Engineer,
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PRE MEASUREMENT SHEET

FIRST and FINAL BILL

Chainage		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
From	To								
		Seetamma layout 3rd Cross Raghavendra temple Road							
8	20		Cum	1	12.00	1.30	0.23	3.59	
26	36		Cum	1	10.00	2.20	0.23	5.06	
39	59		Cum	1	20.00	1.80	0.23	8.28	
67	97		Cum	1	30.00	2.00	0.23	13.80	
105	121		Cum	1	16.00	3.00	0.23	11.04	
132	149		Cum	1	17.00	3.00	0.23	11.73	
153	168		Cum	1	15.00	3.00	0.23	10.35	
182	198		Cum	1	16.00	3.00	0.23	11.04	
		Muneshwara Layout Vemmanna Layout							
24	36		Cum	1	12.00	1.30	0.23	3.59	
46	56		Cum	1	10.00	2.20	0.23	5.06	
		CC Road							
		3rd Cross							
0	15		Cum	1	15.00	5.40	0.15	12.15	
15	30		Cum	1	15.00	4.95	0.15	11.14	
30	49.4		Cum	1	19.40	4.55	0.15	13.24	
		6th A Cross							
0	15		Cum	1	15.00	4.30	0.15	9.68	
15	30		Cum	1	15.00	3.80	0.15	8.55	
30	40.6		Cum	1	10.60	3.85	0.15	6.12	
		Seetamma layout 1st Cross							
0	15		Cum	1	15.00	5.55	0.15	12.49	
15	35		Cum	1	20.00	5.35	0.15	16.05	
		Muneshwara Layout							
		6th Cross							
0	15		Cum	1	15.00	5.25	0.15	11.81	
15	30		Cum	1	15.00	4.40	0.15	9.90	
30	45		Cum	1	15.00	4.15	0.15	9.34	
45	60		Cum	1	15.00	4.10	0.15	9.23	
60	75		Cum	1	15.00	4.15	0.15	9.34	
75	90		Cum	1	15.00	4.05	0.15	9.11	
90	105		Cum	1	15.00	4.05	0.15	9.11	
105	110		Cum	1	5.00	4.15	0.15	3.11	
Total								412.87	

Assistant Executive Engineer,
R.R. Nagar, Sub-Division,
KRIID, BBMP, Bangalore
Contractor



Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Providing cement concrete road, construction of culverts and RCC drains and providing missing covering slabs in Kateramma layout and surrounding areas in Ward No.10

PRE MEASUREMENT SHEET

FIRST and FINAL BILL

FIRST and FINAL BILL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
Item No. 12		Stone dust / Grit 4.75 mm to 0.075 mm For Road Strengthening For UGD Cut portion							
Measurements taken on		15/02/2020							
		Main Road(UGD CUT)							
0	15	Cum	1	15.00	1.35	0.30	6.08		
15	30	Cum	1	15.00	1.35	0.30	6.08		
30	45	Cum	1	15.00	1.35	0.30	6.08		
45	60	Cum	1	15.00	1.35	0.30	6.08		
60	75	Cum	1	15.00	1.35	0.30	6.08		
75	90	Cum	1	15.00	1.35	0.30	6.08		
90	110	Cum	1	20.00	1.35	0.30	8.10		
Total							44.55		

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

Assistant Executive Engineer,
R.R. Nagar, Sub-Division,
KRIDL, BBMP, Bangalore
Contractor



Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Providing cement concrete road, construction of culverts and RCC drains and providing missing covering slabs in Kateramma layout and surrounding areas in Ward No.10

PRE MEASUREMENT SHEET

FIRST and FINAL BILL

Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
Item No. 13		Providing, laying, spreading and compacting cushioned stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications							
Measurements taken on		17/02/2020							
		Road cutting portion							
		Kateramma layout							
		Main Road(UGD CUT)							
0	15		Cum	1	15.00	1.35	0.30	6.08	
15	30		Cum	1	15.00	1.35	0.30	6.08	
30	45		Cum	1	15.00	1.35	0.30	6.08	
45	60		Cum	1	15.00	1.35	0.30	6.08	
60	75		Cum	1	15.00	1.35	0.30	6.08	
75	90		Cum	1	15.00	1.35	0.30	6.08	
90	110		Cum	1	20.00	1.35	0.30	8.10	
0	15		Cum	1	15.00	5.20	0.23	17.94	
15	30		Cum	1	15.00	5.20	0.23	17.94	
30	45		Cum	1	15.00	5.10	0.23	17.60	
45	60		Cum	1	15.00	5.20	0.23	17.94	
60	75		Cum	1	15.00	5.30	0.23	18.29	
75	85		Cum	1	10.00	5.20	0.23	11.96	
		Main Road							
0	15		Cum	1	15.00	1.20	0.23	4.14	
15	30		Cum	1	15.00	1.10	0.23	3.80	
30	45		Cum	1	15.00	1.00	0.23	3.45	
45	60		Cum	1	15.00	1.00	0.23	3.45	
60	75		Cum	1	15.00	1.30	0.23	4.49	
75	90		Cum	1	15.00	1.20	0.23	4.14	
90	109		Cum	1	19.00	1.00	0.23	4.37	
		Near Gitanajali jewels Main Raod							
5	23		Cum	1	18.00	0.90	0.23	3.73	
29	42		Cum	1	13.00	1.10	0.23	3.29	
47	63		Cum	1	16.00	1.00	0.23	3.68	
		Kateramma Temple Back Side Road							
0	20		Cum	1	20.00	0.60	0.23	2.76	

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Providing cement concrete road, construction of culverts and RCC drains and providing missing covering slabs in Kateramma layout and surrounding areas in Ward No.10

PRE MEASUREMENT SHEET

FIRST and FINAL BILL

Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
26	36		Cum	1	10.00	1.10	0.23	2.53	
41	47		Cum	1	6.00	1.50	0.23	2.07	
53	67		Cum	1	14.00	1.30	0.23	4.19	
71	95		Cum	1	24.00	0.80	0.23	4.42	
98	117		Cum	1	19.00	5.45	0.23	23.82	
		Seetamma layout 3rd Cross Raghavendra temple Road							
8	20		Cum	1	12.00	1.30	0.23	3.59	
26	36		Cum	1	10.00	2.20	0.23	5.06	
39	59		Cum	1	20.00	1.80	0.23	8.28	
67	97		Cum	1	30.00	2.00	0.23	13.80	
105	121		Cum	1	16.00	3.00	0.23	11.04	
132	149		Cum	1	17.00	3.00	0.23	11.73	
153	168		Cum	1	15.00	3.00	0.23	10.35	
182	198		Cum	1	16.00	3.00	0.23	11.04	
		Muneshwara Layout Vemmanna Layout							
24	36		Cum	1	12.00	1.30	0.23	3.59	
46	56		Cum	1	10.00	2.20	0.23	5.06	
Total								308.05	

2505/06
Assistant Executive Engineer,
R.R. Nagar, Sub-Division,
KRIDL, BBMP, Bangalore



Sureth - NK
Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

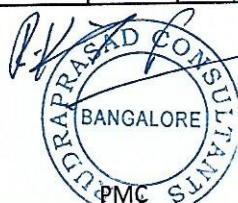
NAME OF WORK: Providing cement concrete road, construction of culverts and RCC drains and providing missing covering slabs in Kateramma layout and surrounding areas in Ward No.10

PRE MEASUREMENT SHEET

FIRST and FINAL BILL

Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
Item No. 14		Cleaning the existing WBM Road surface including removing of binding materials and other foreign matter with wire brushes and small picks sweeping with brooms or soft brushes and finally dusting with old gunny bags and bar or compressed air to receive bituminous treatment including cost of all materials, labhour, HOM of machineries complet as per specifications							
Measurements taken on		19/02/2020							
		Road cutting portion							
		Kateramma layout							
		Main Road(UGD CUT)							
85	95		Sqm	1	10.00	1.35		13.50	
95	110		Sqm	1	15.00	1.35		20.25	
		Main Road							
0	15		Sqm	1	15.00	1.20		18.00	
15	30		Sqm	1	15.00	1.10		16.50	
30	45		Sqm	1	15.00	1.00		15.00	
45	60		Sqm	1	15.00	1.00		15.00	
60	75		Sqm	1	15.00	1.30		19.50	
75	90		Sqm	1	15.00	1.20		18.00	
90	109		Sqm	1	19.00	1.00		19.00	
		Near Gitanajali jewels Main Raod							
5	23		Sqm	1	18.00	0.90		16.20	
29	42		Sqm	1	13.00	1.10		14.30	
47	63		Sqm	1	16.00	1.00		16.00	
		Kateramma Temple Back Side Road							
0	20		Sqm	1	20.00	0.60		12.00	
26	36		Sqm	1	10.00	1.10		11.00	
41	47		Sqm	1	6.00	1.50		9.00	
53	67		Sqm	1	14.00	1.30		18.20	
71	95		Sqm	1	24.00	0.80		19.20	

2005/25
Assistant Executive Engineer,
R.R. Nagar, Sub-Division,
Bangalore - 97



Swetha - N.R.
Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Providing cement concrete road, construction of culverts and RCC drains and providing missing covering slabs in Kateramma layout and surrounding areas in Ward No.10

PRE MEASUREMENT SHEET

FIRST and FINAL BILL

Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
98	117		Sqm	1	19.00	5.45		103.55	
		Seetamma layout 3rd Cross Raghavendra temple Road							
8	20		Sqm	1	12.00	1.30		15.60	
26	36		Sqm	1	10.00	2.20		22.00	
39	59		Sqm	1	20.00	1.80		36.00	
67	97		Sqm	1	30.00	2.00		60.00	
105	121		Sqm	1	16.00	3.00		48.00	
132	149		Sqm	1	17.00	3.00		51.00	
153	168		Sqm	1	15.00	3.00		45.00	
182	198		Sqm	1	16.00	3.00		48.00	
		Muneshwara Layout Vemmanna Layout							
24	36		Sqm	1	12.00	1.30		15.60	
46	56		Sqm	1	10.00	2.20		22.00	
Total								737.40	

2500/08
Assistant Executive Engineer,
R.R. Nagar, Sub-Division,
KRIDL, BBMP, Bangalore

Contractor



Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Providing cement concrete road, construction of culverts and RCC drains and providing missing covering slabs in Kateramma layout and surrounding areas in Ward No.10

PRE MEASUREMENT SHEET

FIRST and FINAL BILL

Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
Item No. 15		Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications							
Measurements taken on		20/02/2020							
		Kateramma layout							
		Kateramma temple							
		Main Road							
0	15		Sqm	1	15.00	5.20		78.00	CA
15	30		Sqm	1	15.00	5.20		78.00	
30	45		Sqm	1	15.00	5.10		76.50	
45	60		Sqm	1	15.00	5.20		78.00	
60	75		Sqm	1	15.00	5.30		79.50	
75	85		Sqm	1	10.00	5.20		52.00	CMAA
85	95		Sqm	1	10.00	1.35		13.50	
95	110		Sqm	1	15.00	1.35		20.25	
		Main Road							
0	15		Sqm	1	15.00	1.20		18.00	
15	30		Sqm	1	15.00	1.10		16.50	Assst. Executive Sd. Engineer, BMD, Bangalore
30	45		Sqm	1	15.00	1.00		15.00	
45	60		Sqm	1	15.00	1.00		15.00	
60	75		Sqm	1	15.00	1.30		19.50	
75	90		Sqm	1	15.00	1.20		18.00	
90	109		Sqm	1	19.00	1.00		19.00	
		Near Gitanajali jewels Main Raod							
5	23		Sqm	1	18.00	0.90		16.20	
29	42		Sqm	1	13.00	1.10		14.30	
47	63		Sqm	1	16.00	1.00		16.00	
		Kateramma Temple Back Side Road							
0	20		Sqm	1	20.00	0.60		12.00	
26	36		Sqm	1	10.00	1.10		11.00	
41	47		Sqm	1	6.00	1.50		9.00	
53	67		Sqm	1	14.00	1.30		18.20	
71	95		Sqm	1	24.00	0.80		19.20	
98	117		Sqm	1	19.00	5.45		103.55	

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Providing cement concrete road, construction of culverts and RCC drains and providing missing covering slabs in Kateramma layout and surrounding areas in Ward No.10

PRE MEASUREMENT SHEET

FIRST and FINAL BILL

Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
		Seetamma layout 3rd Cross Raghavendra temple Road							
8	20		Sqm	1	12.00	1.30		15.60	
26	36		Sqm	1	10.00	2.20		22.00	
39	59		Sqm	1	20.00	1.80		36.00	
67	97		Sqm	1	30.00	2.00		60.00	
105	121		Sqm	1	16.00	3.00		48.00	
132	149		Sqm	1	17.00	3.00		51.00	
153	168		Sqm	1	15.00	3.00		45.00	
182	198		Sqm	1	16.00	3.00		48.00	
		Muneshwara Layout Vemmanna Layout							
24	36		Sqm	1	12.00	1.30		15.60	
46	56		Sqm	1	10.00	2.20		22.00	
					Sub Total			1179.40	
		Kateramma temple Main Road							
0	15		Sqm	1	15.00	6.10		91.50	
15	30		Sqm	1	15.00	5.50		82.50	
30	45		Sqm	1	15.00	5.80		87.00	
45	60		Sqm	1	15.00	5.40		81.00	
60	75		Sqm	1	15.00	5.10		76.50	
75	90		Sqm	1	15.00	4.80		72.00	
90	105		Sqm	1	15.00	4.50		67.50	
105	120		Sqm	1	15.00	4.50		67.50	
120	135		Sqm	1	15.00	4.50		67.50	
135	150		Sqm	1	15.00	4.50		67.50	
150	165		Sqm	1	15.00	4.80		72.00	
165	180		Sqm	1	15.00	5.70		85.50	
180	195		Sqm	1	15.00	5.60		84.00	
195	210		Sqm	1	15.00	4.80		72.00	
210	226		Sqm	1	16.00	5.10		81.60	
		Near Gitanajali jewels Main Raod							
0	15		Sqm	1	15.00	4.70		70.50	
15	30		Sqm	1	15.00	4.20		63.00	
30	45		Sqm	1	15.00	4.00		60.00	
45	60		Sqm	1	15.00	4.70		70.50	
60	75		Sqm	1	15.00	4.70		70.50	
75	90		Sqm	1	15.00	3.80		57.00	
90	109		Sqm	1	19.00	4.05		76.95	

ROBOS
Assistant Executive Engineer,
R.R. Nagar, Sub-Division,
KRIDL, BBMP, Bangalore
Contractor



Sureth .ack
Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Providing cement concrete road, construction of culverts and RCC drains and providing missing covering slabs in Kateramma layout and surrounding areas in Ward No.10

PRE MEASUREMENT SHEET

FIRST and FINAL BILL

Chainage		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
From	To								
		Kateramma Temple Back Side Road							
0	15		Sqm	1	15.00	6.10		91.50	
15	30		Sqm	1	15.00	5.55		83.25	
30	45		Sqm	1	15.00	5.80		87.00	
45	60		Sqm	1	15.00	4.60		69.00	
60	75		Sqm	1	15.00	5.10		76.50	
75	90		Sqm	1	15.00	4.05		60.75	
90	105		Sqm	1	15.00	3.75		56.25	
105	120		Sqm	1	15.00	4.50		67.50	
120	135		Sqm	1	15.00	4.10		61.50	
135	150		Sqm	1	15.00	4.45		66.75	
150	165		Sqm	1	15.00	4.45		66.75	
165	170.9		Sqm	1	5.90	4.60		27.14	
		Seetamma layout 3rd Cross Raghavendra temple Road							
0	15		Sqm	1	15.00	6.10		91.50	
15	30		Sqm	1	15.00	5.20		78.00	
30	45		Sqm	1	15.00	5.80		87.00	
45	60		Sqm	1	15.00	4.40		66.00	
60	75		Sqm	1	15.00	5.10		76.50	
75	90		Sqm	1	15.00	4.70		70.50	
90	105		Sqm	1	15.00	4.50		67.50	
105	120		Sqm	1	15.00	4.50		67.50	
120	135		Sqm	1	15.00	4.50		67.50	
135	150		Sqm	1	15.00	4.50		67.50	
150	165		Sqm	1	15.00	5.00		75.00	
165	180		Sqm	1	15.00	5.30		79.50	
180	195		Sqm	1	15.00	5.60		84.00	
195	210		Sqm	1	15.00	4.60		69.00	
210	225		Sqm	1	15.00	5.10		76.50	
225	240		Sqm	1	15.00	4.80		72.00	
240	255		Sqm	1	15.00	4.80		72.00	
255	270		Sqm	1	15.00	5.60		84.00	
270	295.8		Sqm	1	25.80	4.90		126.42	
		Muneshwara Layout Vemmanna Layout							
0	15		Cum	1	15.00	3.75		56.25	
15	30		Cum	1	15.00	3.65		54.75	
30	45		Cum	1	15.00	3.70		55.50	
45	60		Cum	1	15.00	3.85		57.75	
60	67.9		Cum	1	7.90	3.85		30.42	
					Sub Total			4170.53	

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Providing cement concrete road, construction of culverts and RCC drains and providing missing covering slabs in Kateramma layout and surrounding areas in Ward No.10

PRE MEASUREMENT SHEET

FIRST and FINAL BILL

Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
		Deduct Road Cut			4170.53-1179.4=2991.13			2991.13	
		For 25% Profile Correction						747.78	
Total								1927.18	

CAFE
MD
 Assistant Executive Engineer
 Tidyaranyapura Sub Division
 BBMP, Bangalore - 97

50588
 Assistant Executive Engineer,
 R.R. Nagar, Sub-Division,
 KRIDL, BBMP, Bangalore



Smith - NK
 Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Providing cement concrete road, construction of culverts and RCC drains and providing missing covering slabs in Kateramma layout and surrounding areas in Ward No.10

PRE MEASUREMENT SHEET

FIRST and FINAL BILL

Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
Item No. 16		Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications							
Measurements taken on		20/02/2020							
		Kateramma layout							
		Kateramma temple Main Road							
		Main Road							
0	15		Cum	1	15.00	5.20	0.05	3.90	
15	30		Cum	1	15.00	5.20	0.05	3.90	
30	45		Cum	1	15.00	5.10	0.05	3.83	
45	60		Cum	1	15.00	5.20	0.05	3.90	
60	75		Cum	1	15.00	5.30	0.05	3.98	
75	85		Cum	1	10.00	5.20	0.05	2.60	
85	95		Cum	1	10.00	1.35	0.05	0.68	
95	110		Cum	1	15.00	1.35	0.05	1.01	
		Main Road							
0	15		Cum	1	15.00	1.20	0.05	0.90	
15	30		Cum	1	15.00	1.10	0.05	0.83	
30	45		Cum	1	15.00	1.00	0.05	0.75	
45	60		Cum	1	15.00	1.00	0.05	0.75	
60	75		Cum	1	15.00	1.30	0.05	0.98	
75	90		Cum	1	15.00	1.20	0.05	0.90	
90	109		Cum	1	19.00	1.00	0.05	0.95	
		Near Gitanajali jewels Main Road							
5	23		Cum	1	18.00	0.90	0.05	0.81	
29	42		Cum	1	13.00	1.10	0.05	0.72	
47	63		Cum	1	16.00	1.00	0.05	0.80	
		Kateramma Temple Back Side Road							
0	20		Cum	1	20.00	0.60	0.05	0.60	
26	36		Cum	1	10.00	1.10	0.05	0.55	

20/05/20
Assistant Executive Engineer,
R.R. Nagar, Sub-Division,
KRIDL, BBMP, Bangalore



Suetha-NK
Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Providing cement concrete road, construction of culverts and RCC drains and providing missing covering slabs in Kateramma layout and surrounding areas in Ward No.10

PRE MEASUREMENT SHEET

FIRST and FINAL BILL

Chainage		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
From	To								
41	47		Cum	1	6.00	1.50	0.05	0.45	
53	67		Cum	1	14.00	1.30	0.05	0.91	
71	95		Cum	1	24.00	0.80	0.05	0.96	
98	117		Cum	1	19.00	5.45	0.05	5.18	
		Seetamma layout 3rd Cross Raghavendra temple Road							
8	20		Cum	1	12.00	1.30	0.05	0.78	
26	36		Cum	1	10.00	2.20	0.05	1.10	
39	59		Cum	1	20.00	1.80	0.05	1.80	
67	97		Cum	1	30.00	2.00	0.05	3.00	
105	121		Cum	1	16.00	3.00	0.05	2.40	
132	149		Cum	1	17.00	3.00	0.05	2.55	
153	168		Cum	1	15.00	3.00	0.05	2.25	
182	198		Cum	1	16.00	3.00	0.05	2.40	
		Muneshwara Layout Vemmanna Layout							
24	36		Sqm	1	12.00	1.30	0.05	0.78	
46	56		Sqm	1	10.00	2.20	0.05	1.10	
						Sub Total		58.97	
		Kateramma temple Main Road							
0	15		Cum	1	15.00	6.10	0.05	4.58	
15	30		Cum	1	15.00	5.50	0.05	4.13	
30	45		Cum	1	15.00	5.80	0.05	4.35	
45	60		Cum	1	15.00	5.40	0.05	4.05	
60	75		Cum	1	15.00	5.10	0.05	3.83	
75	90		Cum	1	15.00	4.80	0.05	3.60	
90	105		Cum	1	15.00	4.50	0.05	3.38	
105	120		Cum	1	15.00	4.50	0.05	3.38	
120	135		Cum	1	15.00	4.50	0.05	3.38	
135	150		Cum	1	15.00	4.50	0.05	3.38	
150	165		Cum	1	15.00	4.80	0.05	3.60	
165	180		Cum	1	15.00	5.70	0.05	4.28	
180	195		Cum	1	15.00	5.60	0.05	4.20	
195	210		Cum	1	15.00	4.80	0.05	3.60	
210	226		Cum	1	16.00	5.10	0.05	4.08	
		Near Gitanajali jewels Main Raod							
0	15		Cum	1	15.00	4.70	0.05	3.53	
15	30		Cum	1	15.00	4.20	0.05	3.15	

250505
Assistant Executive Engineer,
R.R. Nagar, Sub-Division,
KRIDL, BBMP, Bangalore
Contractor



Suetha - s.d.
Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Providing cement concrete road, construction of culverts and RCC drains and providing missing covering slabs in Kateramma layout and surrounding areas in Ward No.10

PRE MEASUREMENT SHEET

FIRST and FINAL BILL

Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
30	45		Cum	1	15.00	4.00	0.05	3.00	
45	60		Cum	1	15.00	4.70	0.05	3.53	
60	75		Cum	1	15.00	4.70	0.05	3.53	
75	90		Cum	1	15.00	3.80	0.05	2.85	
90	109		Cum	1	19.00	4.05	0.05	3.85	
		Kateramma Temple Back Side Road							
0	15		Cum	1	15.00	6.10	0.05	4.58	
15	30		Cum	1	15.00	5.55	0.05	4.16	
30	45		Cum	1	15.00	5.80	0.05	4.35	
45	60		Cum	1	15.00	4.60	0.05	3.45	
60	75		Cum	1	15.00	5.10	0.05	3.83	
75	90		Cum	1	15.00	4.05	0.05	3.04	
90	105		Cum	1	15.00	3.75	0.05	2.81	
105	120		Cum	1	15.00	4.50	0.05	3.38	
120	135		Cum	1	15.00	4.10	0.05	3.08	
135	150		Cum	1	15.00	4.45	0.05	3.34	
150	165		Cum	1	15.00	4.45	0.05	3.34	
165	170.9		Cum	1	5.90	4.60	0.05	1.36	
		Seetamma layout 3rd Cross Raghavendra temple Road							
0	15		Cum	1	15.00	6.10	0.05	4.58	
15	30		Cum	1	15.00	5.20	0.05	3.90	
30	45		Cum	1	15.00	5.80	0.05	4.35	
45	60		Cum	1	15.00	4.40	0.05	3.30	
60	75		Cum	1	15.00	5.10	0.05	3.83	
75	90		Cum	1	15.00	4.70	0.05	3.53	
90	105		Cum	1	15.00	4.50	0.05	3.38	
105	120		Cum	1	15.00	4.50	0.05	3.38	
120	135		Cum	1	15.00	4.50	0.05	3.38	
135	150		Cum	1	15.00	4.50	0.05	3.38	
150	165		Cum	1	15.00	5.00	0.05	3.75	
165	180		Cum	1	15.00	5.30	0.05	3.98	
180	195		Cum	1	15.00	5.60	0.05	4.20	
195	210		Cum	1	15.00	4.60	0.05	3.45	
210	225		Cum	1	15.00	5.10	0.05	3.83	
225	240		Cum	1	15.00	4.80	0.05	3.60	
240	255		Cum	1	15.00	4.80	0.05	3.60	
255	270		Cum	1	15.00	5.60	0.05	4.20	
270	295.8		Cum	1	25.80	4.90	0.05	6.32	
		Muneshwara Layout Vemmanna Layout							
0	15		Cum	1	15.00	3.75	0.05	2.81	

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Providing cement concrete road, construction of culverts and RCC drains and providing missing covering slabs in Kateramma layout and surrounding areas in Ward No.10

PRE MEASUREMENT SHEET

FIRST and FINAL BILL

Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
15	30		Cum	1	15.00	3.65	0.05	2.74	
30	45		Cum	1	15.00	3.70	0.05	2.78	
45	60		Cum	1	15.00	3.85	0.05	2.89	
60	67.9		Cum	1	7.90	3.85	0.05	1.52	
					Sub Total			208.53	
		Deduct Road Cut			208.53-58.97=149.56			149.56	
		For 25% Profile Correction						37.39	
Total								96.36	

Assistant Executive Engineer
Vidyanagar Sub Division
BBMP, Bangalore - 97

Assistant Executive Engineer,
R.R. Nagar, Sub-Division,
KRIDL, BBMP, Bangalore



Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Providing cement concrete road, construction of culverts and RCC drains and providing missing covering slabs in Kateramma layout and surrounding areas in Ward No.10

PRE MEASUREMENT SHEET

FIRST and FINAL BILL

Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
Item No. 17		Cleaning the existing black topped surface with brooms,soft brushes and finally dusting with old gunny bags and/or compressed air to receive bituminous treatment including cost of all materials,labhour, HOM of machineries complete as per specifications.							
Measurements taken on		19/02/2020							
		Kateramma layout							
		Kateramma temple Main Road							
0	15		Sqm	1	15.00	6.10		91.50	Handwritten signature and stamp: Jyoti Kalyapure Sub. Div. B.M.P. Bangalore
15	30		Sqm	1	15.00	5.50		82.50	
30	45		Sqm	1	15.00	5.80		87.00	
45	60		Sqm	1	15.00	5.40		81.00	
60	75		Sqm	1	15.00	5.10		76.50	
75	90		Sqm	1	15.00	4.80		72.00	
90	105		Sqm	1	15.00	4.50		67.50	
105	120		Sqm	1	15.00	4.50		67.50	
120	135		Sqm	1	15.00	4.50		67.50	
135	150		Sqm	1	15.00	4.50		67.50	
150	165		Sqm	1	15.00	4.80		72.00	
165	180		Sqm	1	15.00	5.70		85.50	
180	195		Sqm	1	15.00	5.60		84.00	
195	210		Sqm	1	15.00	4.80		72.00	
210	226		Sqm	1	16.00	5.10		81.60	
		Near Gitanajali jewels Main Raod							
0	15		Sqm	1	15.00	4.70		70.50	
15	30		Sqm	1	15.00	4.20		63.00	
30	45		Sqm	1	15.00	4.00		60.00	
45	60		Sqm	1	15.00	4.70		70.50	
60	75		Sqm	1	15.00	4.70		70.50	
75	90		Sqm	1	15.00	3.80		57.00	
90	109		Sqm	1	19.00	4.05		76.95	
		Kateramma Temple Back Side Road							
0	15		Sqm	1	15.00	6.10		91.50	
15	30		Sqm	1	15.00	5.55		83.25	
30	45		Sqm	1	15.00	5.80		87.00	
45	60		Sqm	1	15.00	4.60		69.00	
60	75		Sqm	1	15.00	5.10		76.50	
75	90		Sqm	1	15.00	4.05		60.75	
90	105		Sqm	1	15.00	3.75		56.25	
105	120		Sqm	1	15.00	4.50		67.50	
120	135		Sqm	1	15.00	4.10		61.50	
135	150		Sqm	1	15.00	4.45		66.75	

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Providing cement concrete road, construction of culverts and RCC drains and providing missing covering slabs in Kateramma layout and surrounding areas in Ward No.10

PRE MEASUREMENT SHEET**FIRST and FINAL BILL**

Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
150	165		Sqm	1	15.00	4.45		66.75	
165	170.9		Sqm	1	5.90	4.60		27.14	
		Seetamma layout 3rd Cross Raghavendra temple Road							
0	15		Sqm	1	15.00	6.10		91.50	
15	30		Sqm	1	15.00	5.20		78.00	
30	45		Sqm	1	15.00	5.80		87.00	
45	60		Sqm	1	15.00	4.40		66.00	
60	75		Sqm	1	15.00	5.10		76.50	
75	90		Sqm	1	15.00	4.70		70.50	
90	105		Sqm	1	15.00	4.50		67.50	
105	120		Sqm	1	15.00	4.50		67.50	
120	135		Sqm	1	15.00	4.50		67.50	
135	150		Sqm	1	15.00	4.50		67.50	
150	165		Sqm	1	15.00	5.00		75.00	
165	180		Sqm	1	15.00	5.30		79.50	
180	195		Sqm	1	15.00	5.60		84.00	
195	210		Sqm	1	15.00	4.60		69.00	
210	225		Sqm	1	15.00	5.10		76.50	
225	240		Sqm	1	15.00	4.80		72.00	
240	255		Sqm	1	15.00	4.80		72.00	
255	270		Sqm	1	15.00	5.60		84.00	
270	295.8		Sqm	1	25.80	4.90		126.42	
		Muneshwara Layout Vemmanna Layout							
0	15		Sqm	1	15.00	3.75		56.25	
15	30		Sqm	1	15.00	3.65		54.75	
30	45		Sqm	1	15.00	3.70		55.50	
45	60		Sqm	1	15.00	3.85		57.75	
60	67.9		Sqm	1	7.90	3.85		30.42	
Total								4170.53	

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Providing cement concrete road, construction of culverts and RCC drains and providing missing covering slabs in Kateramma layout and surrounding areas in Ward No.10

PRE MEASUREMENT SHEET

FIRST and FINAL BILL

Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
Item No. 21		Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications.							
Measurements taken on		10/01/2020							
		Kateramma layout							
		CC Road							
		3rd Cross							
0	15		Cum	1	15.00	5.40	0.20	16.20	
15	30		Cum	1	15.00	4.95	0.20	14.85	
30	49.4		Cum	1	19.40	4.55	0.20	17.65	
		6th A Cross							
0	15		Cum	1	15.00	4.30	0.20	12.90	
15	30		Cum	1	15.00	3.80	0.20	11.40	
30	40.6		Cum	1	10.60	3.85	0.20	8.16	
		Seetamma layout1st Cross							
0	15		Cum	1	15.00	5.55	0.20	16.65	
15	35		Cum	1	20.00	5.35	0.20	21.40	
		Muneshwara Layout							
		6th Cross							
0	15		Cum	1	15.00	5.25	0.20	15.75	
15	30		Cum	1	15.00	4.40	0.20	13.20	
30	45		Cum	1	15.00	4.15	0.20	12.45	
45	60		Cum	1	15.00	4.10	0.20	12.30	
60	75		Cum	1	15.00	4.15	0.20	12.45	
75	90		Cum	1	15.00	4.05	0.20	12.15	
90	105		Cum	1	15.00	4.05	0.20	12.15	
105	110		Cum	1	5.00	4.15	0.20	4.15	
Total								213.82	



205.25
Assistant Executive Engineer,
R.R. Nagar, Sub-Division,
Contractor

Signature: *[Signature]*
Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Providing cement concrete road, construction of culverts and RCC drains and providing missing covering slabs in Kateramma layout and surrounding areas in Ward No.10

PRE MEASUREMENT SHEET

FIRST and FINAL BILL

Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
Item No. 22		Providing and laying in position plain cement concrete of Mix 1:4:8 with OPC @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM curing complete as per specifications.							
Measurements taken on		8/02/2020							
		Kateramma layout							
		CC Road							
		3rd Cross							
0	15		Cum	1	15.00	5.40	0.15	12.15	CH
15	30		Cum	1	15.00	4.95	0.15	11.14	
30	49.4		Cum	1	19.40	4.55	0.15	13.24	
		6th A Cross							
0	15		Cum	1	15.00	4.30	0.15	9.68	CH
15	30		Cum	1	15.00	3.80	0.15	8.55	
30	40.6		Cum	1	10.60	3.85	0.15	6.12	
		Seetamma layout1st Cross							
0	15		Cum	1	15.00	5.55	0.15	12.49	CH
15	35		Cum	1	20.00	5.35	0.15	16.05	
		Muneshwara Layout							
		6th Cross							
0	15		Cum	1	15.00	5.25	0.15	11.81	CH
15	30		Cum	1	15.00	4.40	0.15	9.90	
30	45		Cum	1	15.00	4.15	0.15	9.34	
45	60		Cum	1	15.00	4.10	0.15	9.23	
60	75		Cum	1	15.00	4.15	0.15	9.34	
75	90		Cum	1	15.00	4.05	0.15	9.11	
90	105		Cum	1	15.00	4.05	0.15	9.11	
105	110		Cum	1	5.00	4.15	0.15	3.11	
Total								160.36	

Assistant Executive Engineer,
R.R. Nagar, Sub-Division,
Bangalore



Assistant Engineer

Assistant Executive Engineer

BREATH BANGALORE MAHANAGARA PALIKE									
NAME OF WORK: Providing cement concrete road, construction of culverts and RCC drains and providing missing covering slabs in Kateramma layout and surrounding areas in Ward No.10									
PRE MEASUREMENT SHEET									
FIRST and FINAL BILL									
Sl. No.	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks	Remarks
Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications.									
Measurements taken on 8/02/2020.									
	For Ssm Culvert								
	Vent Bed								
	1st Cross	Cum	1	5.00	0.70	0.15	0.53		
	2nd Cross	Cum	1	5.00	0.70	0.15	0.53		
	3rd Cross	Cum	1	5.00	0.70	0.15	0.53		
	Copping Concrete								
	1st Cross	Cum	2	5.00	0.55	0.10	0.55		
	2nd Cross	Cum	2	5.00	0.55	0.10	0.55		
	3rd Cross	Cum	2	5.00	0.55	0.10	0.55		
	Total						3.23		

2025.05
Assistant Executive Engineer,
R.R. Nagar, Sub-Division,



Swathi NK
Assistant Engineer